ABSTRACT OF THE DISCLOSURE

A hinge assembly structure for opening and closing a door in a storage facility is provided. The hinge assembly structure includes a main body provided with a storage room, a door opening and closing the storage room on the upper portion of the main body, a hinge assembly connecting the door rotatably with the main body, and a hinge receptacle accommodating the hinge assembly, in which the hinge receptacle is integrally formed between the door and the main body. Here, the hinge assembly includes a plurality of rotating members which convert a rotational movement into a rectilinear movement according to opening and closing of the door, a fixing member which accommodates, supports and fixes the rotating members and operates in engagement with the rotating members, elastic members which give an elastic restoring force and an elastic repulsive force to the rotating members and restricting a rotational movement, and a fixed shaft which fixedly couples the rotating members, the fixing member, and the elastic members, in which the hinge assembly is inserted into and installed in the hinge receptacle via one side thereof. The hinge assembly structure is very simple and easy to be assembled with a main body, and also mitigates a closing speed of a door to prevent a mechanical impact during closing the door, and seeks stable opening and closing of doors via a secure assembly.